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LOGINID:SSPTAJDA1614

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 JAN 02 STN pricing information for 2008 now available
NEWS 3 JAN 16 CAS patent coverage enhanced to include exemplified prophetic substances
NEWS 4 JAN 28 USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS 5 JAN 28 MARPAT searching enhanced
NEWS 6 JAN 28 USGENE now provides USPTO sequence data within 3 days of publication
NEWS 7 JAN 28 TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 8 JAN 28 MEDLINE and LMEDLINE reloaded with enhancements
NEWS 9 FEB 08 STN Express, Version 8.3, now available
NEWS 10 FEB 20 PCI now available as a replacement to DPCI
NEWS 11 FEB 25 IFIREF reloaded with enhancements
NEWS 12 FEB 25 IMSPRODUCT reloaded with enhancements
NEWS 13 FEB 29 WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS 14 MAR 31 IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS 15 MAR 31 CAS REGISTRY enhanced with additional experimental spectra
NEWS 16 MAR 31 CA/Caplus and CASREACT patent number format for U.S. applications updated
NEWS 17 MAR 31 LPCI now available as a replacement to LDPCI
NEWS 18 MAR 31 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 19 APR 04 STN AnaVist, Version 1, to be discontinued
NEWS 20 APR 15 WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS 21 APR 28 EMBASE Controlled Term thesaurus enhanced
NEWS 22 APR 28 IMSRESEARCH reloaded with enhancements

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 14:30:58 ON 27 MAY 2008

```
=> file registry
COST IN U.S. DOLLARS                               SINCE FILE      TOTAL
                                                    ENTRY        SESSION
FULL ESTIMATED COST                           0.21          0.21
```

FILE 'REGISTRY' ENTERED AT 14:31:09 ON 27 MAY 2008
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 26 MAY 2008 HIGHEST RN 1022798-85-1
DICTIONARY FILE UPDATES: 26 MAY 2008 HIGHEST RN 1022798-85-1

New CAS Information Use Policies. enter HELP USAGE TERMS for details.

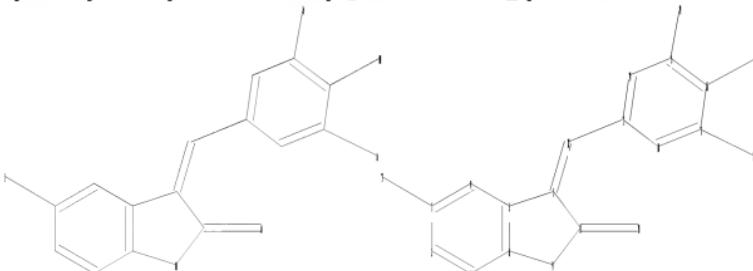
TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stnqen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10510542_specie2.str



```

chain nodes :
 10  11  12  19  20  21
ring nodes :
 1  2  3  4  5  6  7  8  9  13  14  15  16  17  18
chain bonds :

```

```

3-11 7-12 8-10 12-13 15-19 16-20 17-21
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 13-14 13-18 14-15 15-16 16-17
17-18
exact/norm bonds :
5-7 6-9 7-8 8-9 8-10 16-20
exact bonds :
3-11 7-12 12-13 15-19 17-21
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18

```

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS
20:CLASS 21:CLASS

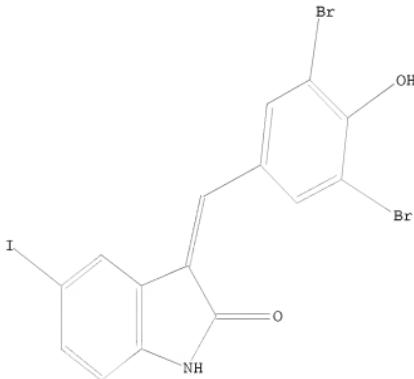
```

L1 STRUCTURE UPLOADED

```

=> d l1
L1 HAS NO ANSWERS
L1                    STR

```



Structure attributes must be viewed using STN Express query preparation.

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=> s l1
SAMPLE SEARCH INITIATED 14:31:25 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -            1 TO ITERATE

```

```

100.0% PROCESSED            1 ITERATIONS                    0 ANSWERS
SEARCH TIME: 00.00.01

```

```

FULL FILE PROJECTIONS: ONLINE    **COMPLETE**
                          BATCH     **COMPLETE**
PROJECTED ITERATIONS:      1 TO            80

```

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s 11 full
FULL SCREEN INITIATED 14:31:29 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 27 TO ITERATE

100.0% PROCESSED 27 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

L3 2 SEA SSS FUL L1

=> d 13 1-2

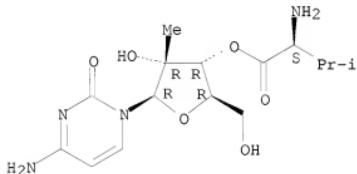
L3 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2008 ACS on STN
RN 1015080-28-0 REGISTRY
ED Entered STN: 17 Apr 2008
CN L-Valine, 3'-ester with 2'-C-methylcytidine, hydrochloride (1:2), mixt.
with 3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-iodo-2H-indol-2-one (CA INDEX NAME)
FS STEREOSEARCH
MF C15 H24 N4 O6 . C15 H8 Br2 I N O2 . 2 Cl H
CI MXS
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

CM 1

CRN 640725-71-9 (640281-90-9)

CMF C15 H24 N4 O6 . 2 Cl H

Absolute stereochemistry. Rotation (+).

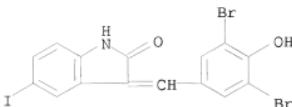


●2 HCl

CM 2

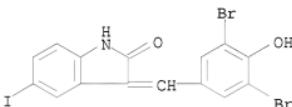
CRN 220904-83-6

CMF C15 H8 Br2 I N O2



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 220904-83-6 REGISTRY
 ED Entered STN: 01 Apr 1999
 CN 2H-Indol-2-one, 3-[3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-
 iodo- (CA INDEX NAME)
 OTHER NAMES:
 CN 3-(3,5-Dibromo-4-hydroxybenzylidene)-5-iodo-1,3-dihydroindol-2-one
 CN GW 5074
 MF C15 H8 Br2 I N O2
 CI COM
 SR CA
 LC STN Files: CA, CAPLUS, CHEMCATS, CSCHEM, EMBASE, PROUSDDR, SYNTHLINE,
 TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

29 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 30 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> FILE REG

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 182.82 | 183.03 |

FILE 'REGISTRY' ENTERED AT 14:32:13 ON 27 MAY 2008
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 provided by InfoChem.

STRUCTURE FILE UPDATES: 26 MAY 2008 HIGHEST RN 1022798-85-1
 DICTIONARY FILE UPDATES: 26 MAY 2008 HIGHEST RN 1022798-85-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> STR 220904-83-6

:END

L4 STRUCTURE CREATED

=> S L4 EXA FUL

FULL SEARCH INITIATED 14:32:16 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3 TO ITERATE

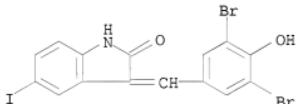
100.0% PROCESSED 3 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L5 1 SEA EXA FUL L4

=>

=> D SCAN

L5 1 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2H-Indol-2-one, 3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-
iodo-
MF C15 H8 Br2 I N O2
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> d 15

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN
RN 220904-83-6 REGISTRY
ED Entered STN: 01 Apr 1999
CN 2H-Indol-2-one, 3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-
iodo- (CA INDEX NAME)

2 FILES SEARCHED...
L8 2 L7 AND "BREAST CANCER"

=> d 18 1-2 ibib, abs, hitstr

L8 ANSWER 1 OF 2 USPATFULL on STN
ACCESSION NUMBER: 2006228402 USPATFULL
TITLE: Small molecules that reduce fungal growth
INVENTOR(S): Johnson, Douglas I., Essex Junction, VT, UNITED STATES
Toenjes, Kurt A., Billings, MT, UNITED STATES
PATENT ASSIGNEE(S): University of Vermont and State Agricultural College,
Burlington, VT, UNITED STATES (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2006194769 | A1 | 20060831 |
| APPLICATION INFO.: | US 2006-340418 | A1 | 20060125 (11) |

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 2005-646967P | 20050125 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | WOLF GREENFIELD & SACKS, PC, FEDERAL RESERVE PLAZA, 600
ATLANTIC AVENUE, BOSTON, MA, 02210-2206, US | |
| NUMBER OF CLAIMS: | 44 | |
| EXEMPLARY CLAIM: | 1 | |
| LINE COUNT: | 1934 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

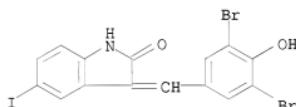
AB The present invention relates to methods for reducing the growth of a fungus with an anti-fungal small molecule. Methods for reducing fungal cell growth in a subject with an anti-fungal small molecule and related compositions are provided. Topical lotion formulations of an anti-fungal small molecule and a topical carrier are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

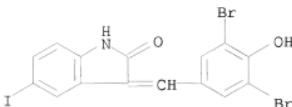
IT 220904-83-6 220904-83-6D, analogs
(small mols. that reduce fungal growth)

RN 220904-83-6 USPATFULL

CN 2H-Indol-2-one, 3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-
ido- (CA INDEX NAME)



RN 220904-83-6 USPATFULL
CN 2H-Indol-2-one, 3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-
ido- (CA INDEX NAME)



L8 ANSWER 2 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2005:105536 USPATFULL

TITLE: Methods and compositions for enhancing and inhibiting
fertilization

INVENTOR(S): Naor, Zvi, Tel Aviv, ISRAEL

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005090474 | A1 | 20050428 |
| APPLICATION INFO.: | US 2003-498830 | A1 | 20030116 (10) |
| | WO 2003-IL44 | | 20030116 |

| | NUMBER | DATE |
|-----------------------|--|----------|
| PRIORITY INFORMATION: | US 2002-60348379 | 20020116 |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | Martin Moynihan, Anthony Castorina, 2001 Jefferson
Davis Highway, Suite 207, Arlington, VA, 22202, US | |
| NUMBER OF CLAIMS: | 122 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 8 Drawing Page(s) | |
| LINE COUNT: | 1880 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

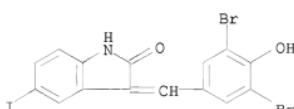
AB A method of contraception is provided. The method comprises providing to a subject an amount of a p38 activator and/or an ERK inhibitor capable of substantially reducing sperm motility. Also provided is a method of enhancing fertility comprising providing to a subject a therapeutically effective amount of a p38 inhibitor and/or an ERK activator, thereby enhancing fertility.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 220904-83-6
(as ERK inhibitor; methods and compns. for enhancing and inhibiting
fertilization using a p38 activator/inhibitor and an ERK
inhibitor/activator)

RN 220904-83-6 USPATFULL

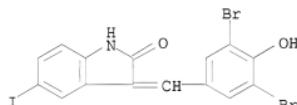
CN 2H-Indol-2-one, 3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-
iodo- (CA INDEX NAME)



=> d 17 1-15 ibib ,abs, hitstr

L7 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2008:493012 CAPLUS
 TITLE: Compositions and methods for treating neurological
 disorders or damage
 INVENTOR(S): Diamandis, Phedias; Tyers, Mike; Dirks, Peter B.
 PATENT ASSIGNEE(S): Can.
 SOURCE: Can. Pat. Appl., 3pp.
 CODEN: CPXXEB
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|---|------------------------|
| CA 2606658 | A1 | 20080413 | CA 2007-2606658
US 2006-851615P | 20071012
P 20061013 |
| PRIORITY APPLN. INFO.: AB The invention relates to a clonogenic neurosphere assay to carry out high throughput screens (HTS) to identify potent and/or selective modulators of proliferation, differentiation and/or renewal of neural precursor cells, neural progenitor cells and/or self-renewing and multipotent neural stem cells (NSCs). The invention also relates to compns. comprising the identified modulators and methods of using the modulators and compns., in particular to treat neurol. disorders (e.g. brain or CNS cancer) or damage. | | | | |
| IT 220904-83-6, GW5074 | | | | |
| RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses) | | | | |
| | | | (screening for compns. and methods for treating neurol. disorders or damage with modulators of neural stem cells) | |
| RN 220904-83-6 CAPLUS | | | | |
| CN 2H-Indol-2-one, 3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-iodo- (CA INDEX NAME) | | | | |



L7 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2008:352859 CAPLUS
 DOCUMENT NUMBER: 148:394354
 TITLE: Compositions and methods for treatment of viral
 diseases
 INVENTOR(S): Johansen, Lisa M.; Owens, Christopher M.; Mawhinney,
 Christina; Chappell, Todd W.; Brown, Alexander T.;
 Frank, Michael G.; Altmeier, Ralf
 PATENT ASSIGNEE(S): Combinatorix (Singapore) Pre. Ltd., Singapore
 SOURCE: PCT Int. Appl., 237pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|------|------|-----------------|------|
|------------|------|------|-----------------|------|

WO 2008033466 A2 20080320 WO 2007-US19932 20070913
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA,
 CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI,
 GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG,
 KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
 MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL,
 PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN,
 TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,
 GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
 BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: US 2006-844463P P 20060914
US 2006-874061P P 20061211

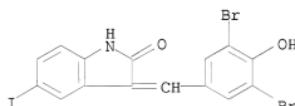
AB Based on the results of the authors screen identifying compds. and combinations of compds. having antiviral activity, the present invention features compns., methods, and kits useful in the treatment of viral diseases. In certain embodiments, the viral disease is caused by a single stranded RNA virus, a flaviviridae virus, or a hepatic virus. In particular embodiments, the viral disease is viral hepatitis (e.g., hepatitis A, hepatitis B, hepatitis C, hepatitis D, hepatitis E). Also featured are screening methods for identification of novel compds. that may be used to treat a viral disease.

IT 220904-83-6, GW 5074

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(compns. and methods for treatment of viral diseases)

RN 220904-83-6 CAPLUS

CN 2H-Indol-2-one, 3-[{(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-iodo- (CA INDEX NAME)



L7 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 20071333422 CAPLUS
 DOCUMENT NUMBER: 147:528221
 TITLE: Pharmaceutical synergistic combinations comprising an mTOR inhibitor and a Raf kinase inhibitor and its use in cancer treatment
 INVENTOR(S): Lane, Heidi
 PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.
 SOURCE: PCT Int. Appl., 56pp.
 CODEN: PIXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|---|----------|-----------------|----------|
| WO 2007131689 | A2 | 20071122 | WO 2007-EP4112 | 20070509 |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, | | | |

CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB,
 GD, GE, GH, GM, GT, HN, HR, ID, IL, IN, IS, JP, KE, KG, KM,
 KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK,
 MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
 RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
 TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,
 GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
 BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: GB 2006-9378 A 20060511

OTHER SOURCE(S): MARPAT 147:528221

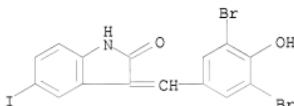
AB A pharmaceutical combination is disclosed comprising an mTOR inhibitor and a Raf kinase inhibitor as a synergistic drug combination, and its use in cancer treatment.

IT 220904-83-6, GW5074

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmaceutical synergistic combinations comprising an mTOR inhibitor and a Raf kinase inhibitor and its use in cancer treatment)

RN 220904-83-6 CAPLUS

CN 2H-Indol-2-one, 3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-iodo- (CA INDEX NAME)



L7 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:506538 CAPLUS

DOCUMENT NUMBER: 147:86651

TITLE: Induction of differentiation of colon cancer cells by combined inhibition of kinases and histone deacetylase

AUTHOR(S): Lea, Michael A.; Ibeh, Chinwe; Shah, Neel; Moyer, Mary P.

CORPORATE SOURCE: Department of Biochemistry and Molecular Biology, UMDNJ - New Jersey Medical School, Newark, NJ, 07103, USA

SOURCE: Anticancer Research (2007), 27(2), 741-748
CODEN: ANTRD4; ISSN: 0250-7005

PUBLISHER: International Institute of Anticancer Research

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The MAP kinase pathway inhibitor U0126 in combination with butyrate promotes differentiation in some colon cancer cell lines. We examined several inhibitors of histone deacetylase (HDAC) in combination with U0126 and other protein kinase inhibitors to see if these effects are general properties of HDAC inhibitors or butyrate alone. Alkaline phosphatase and peptidase activities were examined as markers for cellular differentiation in the human colon cancer cell lines Caco-2 and HT29 and the minimally transformed NCM460. Several HDAC inhibitors caused greater increases of alkaline phosphatase in the cancer cells than in NCM460, in which butyrate was the only HDAC inhibitor that caused a consistent increase. Unlike the JNK and PKC inhibitors examined, the MEK 1/2 inhibitor U0126 induced alkaline phosphatase activity in Caco-2 as a

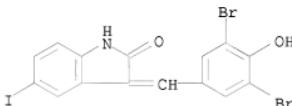
single agent and caused additive effects with HDAC inhibitors. The PI-3 kinase inhibitor LY294002 had little effect alone but enhanced the response of most HDAC inhibitors as did the raf inhibitor GW5074. In addition to butyrate, several HDAC inhibitors can induce differentiation in colon cancer cells and the responses may be enhanced by U0126, GW5074 and LY294002.

IT 220904-83-6, GW5074

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(differentiation of colon cancer cells by combined inhibition of kinases and histone deacetylase)

RN 220904-83-6 CAPLUS

CN 2H-Indol-2-one, 3-[{(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-iodo- (CA INDEX NAME)



REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:87434 CAPLUS

DOCUMENT NUMBER: 146:182515

TITLE: Transgenic zebrafish model comprising Ras or other mammalian oncogene and its use in screening for antitumor agents or modulators of sensitivity to chemotherapy or radiation therapy

INVENTOR(S): Parinov, Sergey; Alexander, Emelyanov

PATENT ASSIGNEE(S): Temasek Life Sciences Laboratory Limited, Singapore

SOURCE: PCT Int. Appl., 69pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| WO 2007011312 | A1 | 20070125 | WO 2006-SG202 | 20060718 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JE, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| EP 1906727 | A1 | 20080409 | EP 2006-769685 | 20060718 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | |
| PRIORITY APPLN. INFO.: | | | US 2005-700310P | P 20050719 |

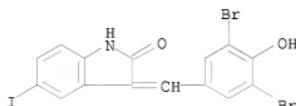
AB The present invention is directed to zebrafish tumorigenesis models, immortal tumor cell lines and to screening for anti-cancer agents. Transgenic zebrafish models are provided that contain Ras or other mammalian oncogenes operably linked to keratin 8 gene promoters and fused to enhanced green fluorescent protein. These zebrafish models may be utilized in methods of screening for drugs or agents that modulate oncogene-mediated neoplastic or hyperplastic transformation, or that modulate sensitivity to chemotherapy or radiation therapy. Immortal tumor cells lines, methods of making immortal tumor cell lines and methods of their use are also provided.

IT 220904-83-6, GW5074

RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(transgenic fish model comprising Ras or other mammalian oncogene and its use in screening for antitumor agents or modulators of sensitivity to chemotherapy or radiation therapy)

RN 220904-83-6 CAPLUS

CN 2H-Indol-2-one, 3-[{(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-iodo- (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:845730 CAPLUS

DOCUMENT NUMBER: 145:278268

TITLE: Antitumor compositions containing antiangiogenic agents and aldesleukin for synergistic effect
INVENTOR(S): Aukerman, Sharon Lea; Denis-Mize, Kimberly; Elias, Laurence; Jallal, Bahija; Menezes, Daniel; Witherell, Gary W.

PATENT ASSIGNEE(S): Chiron Corporation, USA

SOURCE: PCT Int. Appl., 104pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

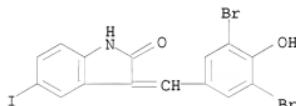
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|--|----------|-----------------|----------|
| WO 2006089150 | A2 | 20060824 | WO 2006-US5720 | 20060217 |
| WO 2006089150 | A3 | 20061102 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| RW: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, | | | |

CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM
 AU 2006214138 A1 20060824 AU 2006-214138 20060217
 CA 2598448 A1 20060824 CA 2006-2598448 20060217
 EP 1853302 A2 20071114 EP 2006-735400 20060217
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR
 MX 200710037 A 20080215 MX 2007-10037 20070817
 IN 2007-KN03324 A 20080321 IN 2007-KN3324 20070907
 KR 2007108909 A 20071113 KR 2007-721118 20070914
 CN 101146549 A 20080319 CN 2006-80009316 20070921
 PRIORITY APPLN. INFO.: US 2005-654341P P 20050218
 WO 2006-US5720 W 20060217
 OTHER SOURCE(S): MARPAT 145:278268
 AB The present invention relates to combination therapies with IL-2 compns. and antiangiogenic agents for the treatment of cancer. Further provided are methods of alleviating toxicities and increasing the efficacy associated with the administration of IL-2 compns. or antiangiogenic compns.
 IT 220904-83-6P
 RL: BSU (Biological study, unclassified); PAC (Pharmacological activity); PKT (Pharmacokinetics); SPN (Synthetic preparation); THU (Therapeutic use); BOL (Biological study); PREP (Preparation); USES (Uses)
 (antitumor compns. containing antiangiogenic agents and aldesleukin for synergistic effect)
 RN 220904-83-6 CAPLUS
 CN 2H-Indol-2-one, 3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-iodo- (CA INDEX NAME)



L7 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2006:239671 CAPLUS
 DOCUMENT NUMBER: 144:425267
 TITLE: Combined inhibition of the phosphatidylinositol 3-kinase/Akt and Ras/mitogen-activated protein kinase pathways results in synergistic effects in glioblastoma cells
 AUTHOR(S): Edwards, Lincoln A.; Verreault, Maite; Thiessen, Brian; Dragowska, Wieslawa H.; Hu, Yanping; Yeung, Julianne H. F.; Dedhar, Shoukat; Bally, Marcel B.
 CORPORATE SOURCE: Departments of Advanced Therapeutics, Medical Oncology, Cancer Genetics, BC Cancer Agency, University of British Columbia, Vancouver, BC, Can.
 SOURCE: Molecular Cancer Therapeutics (2006), 5(3), 645-654
 CODEN: MCTOOF; ISSN: 1535-7163
 PUBLISHER: American Association for Cancer Research
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB The present study uses cell-based screening assays to assess the anticancer effects of targeting phosphatidylinositol 3-kinase-regulated integrin-linked kinase (ILK) in combination with small-mol. inhibitors of Raf-1 or mitogen-activated protein kinase (MAPK)/extracellular signal-regulated kinase kinase (MEK). The objective was to determine if

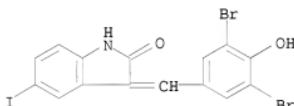
synergistic interactions are achievable through the use of agents targeting two key cell signaling pathways involved in regulating glioblastoma cancer. The phosphatidylinositol 3-kinase/protein kinase B (PKB)/Akt and the Ras/MAPK pathway were targeted for their involvement in cell survival and cell proliferation, resp. The glioblastoma cell lines U87MG, SF-188, and U251MG were transiently transfected with an antisense oligonucleotide targeting ILK (ILKAS) alone or in combination with the Raf-1 inhibitor GW5074 or with the MEK inhibitor U0126. Dose and combination effects were analyzed by the Chou and Talalay median-effect method and indicated that combinations targeting ILK with either Raf-1 or MEK resulted in a synergistic interaction. Glioblastoma cells transfected with ILKAS exhibited reduced levels of ILK and phosphorylated PKB/Akt on Ser473 but not PKB/Akt on Thr308 as shown by immunoblot anal. These results were confirmed using glioblastoma cells transfected with ILK small interfering RNA, which also suggested enhanced gene silencing when used in combination with U0126. U87MG glioblastoma cells showed a 90% ($P < 0.05$) reduction in colony formation in soft agar with exposure to ILKAS in combination with GW5074 compared with control colonies. A substantial increase in Annexin V-pos. cells as determined by using fluorescence-activated cell sorting methods were seen in combinations that included ILKAS. Combinations targeting ILK and components of the Ras/MAPK pathway result in synergy and could potentially be more effective against glioblastoma cancer than monotherapy.

IT 220904-83-6, GW5074

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (combined inhibition of phosphatidylinositol 3-kinase/Akt and Ras/MAPK pathways results in synergistic effects in glioblastoma cells)

RN 220904-83-6 CAPLUS

CN 2H-Indol-2-one, 3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-iodo- (CA INDEX NAME)



REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:570834 CAPLUS

DOCUMENT NUMBER: 139:128485

TITLE: Methods and compositions for enhancing and inhibiting fertilization using a p38 activator/inhibitor and an ERK inhibitor/activator

INVENTOR(S): Naor, Zvi

PATENT ASSIGNEE(S): Ramot at Tel Aviv University Ltd., Israel

SOURCE: PCT Int. Appl., 63 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|------|----------|-----------------|----------|
| WO 2003059373 | A2 | 20030724 | WO 2003-IL44 | 20030116 |

WO 2003059373 A3 20040129
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003207961 A1 20030730 AU 2003-207961 20030116

US 20050090474 A1 20050428 US 2004-498830 20040701

PRIORITY APPLN. INFO.: US 2002-348379P P 20020116
WO 2003-IL44 W 20030116

AB A method of contraception is provided. The method comprises providing to a subject an amount of a p38 activator and/or an ERK inhibitor capable of substantially reducing sperm motility. Also provided is a method of enhancing fertility comprising providing to a subject a therapeutically effective amount of a p38 inhibitor and/or an ERK activator, thereby enhancing fertility. Articles-of-manufacture comprising a packaging material and a pharmaceutical composition identified as a contraceptive or fertility enhancer are also claimed. A method is also claimed of determining quality of

a semen sample, the method comprising determining p38 activity in sperm cells of the semen sample, said p38 activity being inversely indicative of sperm cell motility, thereby determining the quality of the semen sample. The method employs an antiphosphorylated p38 antibody or a kinase activity assay to determine p38 activity. A kit for determining quality of a semen sample, the

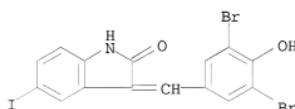
kit comprising a container including a reagent suitable for determining p38 activity in sperm cells of the semen sample is addnl. claimed.

IT 220904-83-6 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(as ERK inhibitor; methods and compns. for enhancing and inhibiting fertilization using a p38 activator/inhibitor and an ERK inhibitor/activator)

RN 220904-83-6 CAPLUS

CN 2H-Indol-2-one, 3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-iodo- (CA INDEX NAME)



L7 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1999:166598 CAPLUS

DOCUMENT NUMBER: 130:209599

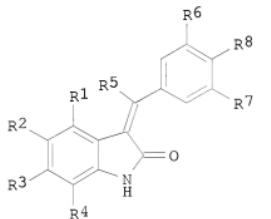
TITLE: Preparation of benzylidene-1,3-dihydroindol-2-ones as receptor tyrosine kinase inhibitors.

INVENTOR(S): McNutt, Robert Walton, Jr.; Jung, David Kendall;
Harris, Philip Anthony; Hunter, Robert Neil, III;
Veal, James Marvin; Dickerson, Scott; Lackey, Karen Elizabeth; Peel, Michael Robert

PATENT ASSIGNEE(S): Glaxo Group Limited, UK
 SOURCE: PCT Int. Appl., 144 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| WO 9910325 | A1 | 19990304 | WO 1998-EP4844 | 19980804 |
| W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW | | | | |
| RW: GH, GM, KE, LS, MW, SD, SZ,UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 9891584 | A | 19990316 | AU 1998-91584 | 19980804 |
| EP 1003721 | A1 | 20000531 | EP 1998-943832 | 19980804 |
| EP 1003721 | B1 | 20061102 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY | | | | |
| JP 2002514228 | T | 20020514 | JP 1999-513839 | 19980804 |
| IN 1998CA01381 | A | 20050311 | IN 1998-CA1381 | 19980804 |
| AT 344241 | T | 20061115 | AT 1998-943832 | 19980804 |
| ES 2272008 | T3 | 20070416 | ES 1998-943832 | 19980804 |
| ZA 9807037 | A | 20000207 | ZA 1998-7037 | 19980805 |
| US 6268391 | B1 | 20010731 | US 2000-446586 | 20000407 |
| PRIORITY APPLN. INFO.: | | | GB 1997-16557 | A 19970806 |
| | | | WO 1998-EP4844 | W 19980804 |

OTHER SOURCE(S): MARPAT 130:209599
 GI



AB Title compds. [I; R1 = H; R1R2 = fused 5-10 membered aryl, heteroaryl, heterocyclyl; R2, R3 = H, HET, aryl, aliphatic, cyano, NO2, halo, R10, OR10, SR10, SOR10, SO2R10, NR10R11, etc.; R4 = H, halo, NO2, cyano; R5 = H, (substituted) aliphatic; R6, R7 = halo, cyano, NO2, CONR10R11, SO2NR10R11, NR10R11, OR11; R8 = OH, NHSO2R12, NHCOCF3; R10 = H, halo, (substituted) aliphatic, HET; HET = benzofuryl, benzoxazolyl, dioxanyl, dithianyl, dithiazinyl, furyl, imidazolyl, indolyl, indazolyl, morpholinyl, tetrazolyl, pyrrolyl, quinolinyl, triazinyl, tetrahydrofuryl, etc.], were

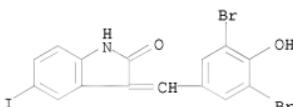
prepared for treatment of tumor growth, preventing organ transplant rejection, healing chronic wounds, etc. (no data). Thus, 5-(2-methylthiazol-4-yl)-1,3-dihydroindol-2-one hydrochloride (preparation given) was stirred with 3,5-dibromo-4-hydroxybenzaldehyde in AcOH/aqueous HCl to give 64% 3-(3,5-dibromo-4-hydroxybenzylidene)-5-(2-methylthiazol-4-yl)-1,3-dihydroindol-2-one.

IT 220904-83-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of benzylidene-1,3-dihydroindol-2-ones as receptor tyrosine kinase inhibitors.)

RN 220904-83-6 CAPLUS

CN 2H-Indol-2-one, 3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-iodo- (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 10 OF 15 USPATFULL on STN

ACCESSION NUMBER: 2006:228402 USPATFULL

TITLE: Small molecules that reduce fungal growth

INVENTOR(S): Johnson, Douglas I., Essex Junction, VT, UNITED STATES

PATENT ASSIGNEE(S): Toenjes, Kurt A., Billings, MT, UNITED STATES

University of Vermont and State Agricultural College, Burlington, VT, UNITED STATES (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2006194769 | A1 | 20060831 |
| APPLICATION INFO.: | US 2006-340418 | A1 | 20060125 (11) |

| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 2005-646967P | 20050125 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | WOLF GREENFIELD & SACKS, PC, FEDERAL RESERVE PLAZA, 600 ATLANTIC AVENUE, BOSTON, MA, 02210-2206, US | |
| NUMBER OF CLAIMS: | 44 | |
| EXEMPLARY CLAIM: | 1 | |
| LINE COUNT: | 1934 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

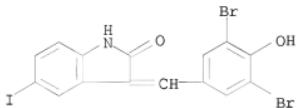
AB The present invention relates to methods for reducing the growth of a fungus with an anti-fungal small molecule. Methods for reducing fungal cell growth in a subject with an anti-fungal small molecule and related compositions are provided. Topical lotion formulations of an anti-fungal small molecule and a topical carrier are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

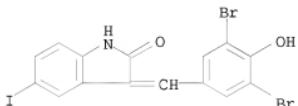
IT 220904-83-6 220904-83-6D, analogs
(small mols. that reduce fungal growth)

RN 220904-83-6 USPATFULL

CN 2H-Indol-2-one, 3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-
iodo- (CA INDEX NAME)



RN 220904-83-6 USPATFULL
CN 2H-Indol-2-one, 3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-
iodo- (CA INDEX NAME)



L7 ANSWER 11 OF 15 USPATFULL on STN
ACCESSION NUMBER: 20051287571 USPATFULL
TITLE: Use of C-Raf inhibitors for the treatment of neurodegenerative diseases
INVENTOR(S): D'Mello, Santosh R., Dallas, TX, UNITED STATES
Chin, Paul C., Plano, TX, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005250837 | A1 | 20051110 |
| APPLICATION INFO.: | US 2003-688759 | A1 | 20031017 (10) |

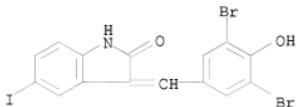
| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 2002-419439P | 20021018 (60) |
| | US 2003-440177P | 20030115 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | Scott C. Sample, Locke Liddell & Sapp LLP, 2200 Ross Avenue, Suite 2200, Dallas, TX, 75201-6776, US | |
| NUMBER OF CLAIMS: | 16 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 8 Drawing Page(s) | |
| LINE COUNT: | 1561 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB C-Raf inhibitors, especially oxindole derivatives such as 5-Iodo-3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-2-indolinone, are used for the prevention or inhibition of neuronal cell death in a mammal suffering from or susceptible to neurodegenerative disease, cerebral ischaemia, traumatic neuronal injury, epilepsy-associated neuronal loss, paralysis, or spinal cord injury. C-Raf inhibitors are included in the manufacture of compositions for the treatment of neurodegenerative disease, cerebral ischaemia, traumatic neuronal injury, epilepsy-associated neuronal loss, paralysis, or spinal cord injury.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 220904-83-6, GW 5074
(C-raf inhibitors for treatment of neurodegenerative diseases)
RN 220904-83-6 USPATFULL
CN 2H-Indol-2-one, 3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-
iodo- (CA INDEX NAME)



L7 ANSWER 12 OF 15 USPATFULL on STN
ACCESSION NUMBER: 2005:183990 USPATFULL
TITLE: JAK/STAT inhibitors and MAPK/ERK inhibitors for RSV
infection
INVENTOR(S): Mohapatra, Shyam S., Tampa, FL, UNITED STATES

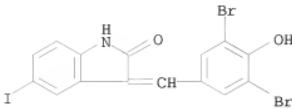
| | NUMBER | KIND | DATE |
|---------------------|---------------|------|---------------|
| PATENT INFORMATION: | US 2005159385 | A1 | 20050721 |
| APPLICATION INFO.: | US 2004-18954 | A1 | 20041220 (11) |

| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 2003-531052P | 20031219 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | SALIWANCHIK LLOYD & SALIWANCHIK, A PROFESSIONAL
ASSOCIATION, PO BOX 142950, GAINESVILLE, FL,
32614-2950, US | |

NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 17 Drawing Page(s)
LINE COUNT: 2773
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention concerns a method for treating or reducing the likelihood of developing a respiratory syncytial virus (RSV) infection in a subject by administering an effective amount of an inhibitor of the janus kinase (JAK)/signal transducer and activator of transcription (STAT) signaling pathway or the mitogen-activated kinase (MAPK)/extracellular signal-regulated kinase (ERK1/2) signaling pathway to the subject. Another aspect of the invention concerns a pharmaceutical composition that includes an inhibitor of JAK/STAT or MAPK/ERK signaling to the subject; and a pharmaceutically acceptable carrier. Another aspect of the invention concerns a method for identifying agents useful for treating or reducing the likelihood of developing an RSV infection

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 220904-83-6, GW5074
(JAK/STAT inhibitors and MAPK/ERK inhibitors for respiratory syncytial
virus infection treatment)
RN 220904-83-6 USPATFULL
CN 2H-Indol-2-one, 3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-
iodo- (CA INDEX NAME)



L7 ANSWER 13 OF 15 USPATFULL on STN
 ACCESSION NUMBER: 2005:105536 USPATFULL
 TITLE: Methods and compositions for enhancing and inhibiting
 fertilization
 INVENTOR(S): Naor, Zvi, Tel Aviv, ISRAEL

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005090474 | A1 | 20050428 |
| APPLICATION INFO.: | US 2003-498830 | A1 | 20030116 (10) |
| | WO 2003-IL44 | | 20030116 |

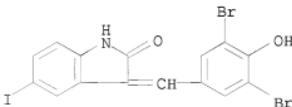
| | NUMBER | DATE |
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| PRIORITY INFORMATION: | US 2002-60348379 | 20020116 |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | Martin Moynihan, Anthony Castorina, 2001 Jefferson
Davis Highway, Suite 207, Arlington, VA, 22202, US | |
| NUMBER OF CLAIMS: | 122 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 8 Drawing Page(s) | |
| LINE COUNT: | 1880 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of contraception is provided. The method comprises providing to a subject an amount of a p38 activator and/or an ERK inhibitor capable of substantially reducing sperm motility. Also provided is a method of enhancing fertility comprising providing to a subject a therapeutically effective amount of a p38 inhibitor and/or an ERK activator, thereby enhancing fertility.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 220904-83-6
 (as ERK inhibitor; methods and compns. for enhancing and inhibiting
 fertilization using a p38 activator/inhibitor and an ERK
 inhibitor/activator)
 RN 220904-83-6 USPATFULL
 CN 2H-Indol-2-one, 3-[3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-
 iodo- (CA INDEX NAME)



L7 ANSWER 14 OF 15 USPATFULL on STN
 ACCESSION NUMBER: 2004:57386 USPATFULL
 TITLE: Three hybrid assay system

INVENTOR(S) :

Come, Jon H., Cambridge, MA, UNITED STATES
 Becker, Frank, Planegg, GERMANY, FEDERAL REPUBLIC OF
 Kley, Nikolai A., Wellesley, MA, UNITED STATES
 Reichel, Christoph, Planegg, GERMANY, FEDERAL REPUBLIC
 OF

| | NUMBER | KIND | DATE |
|-----------------------|--|------|---------------|
| PATENT INFORMATION: | US 2004043388 | A1 | 20040304 |
| | US 7135550 | B2 | 20061114 |
| APPLICATION INFO.: | US 2002-234985 | A1 | 20020903 (10) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2002-91177, filed on 4 Mar 2002, PENDING | | |

| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 2001-272932P | 20010302 (60) |
| | US 2001-278233P | 20010323 (60) |
| | US 2001-329437P | 20011015 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | ROPES & GRAY, ONE INTERNATIONAL PLACE, BOSTON, MA, 02110-2624 | |
| NUMBER OF CLAIMS: | 96 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 18 Drawing Page(s) | |
| LINE COUNT: | 8493 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

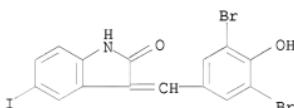
AB The invention provides compositions and methods for isolating ligand binding polypeptides for a user-specified ligand, and for isolating small molecule ligands for a user-specified target polypeptide using an improved class of hybrid ligand compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 220904-83-6D, conjugates
 (three hybrid assay system for isolating ligand-binding polypeptides and for isolating small mol. ligands)

RN 220904-83-6 USPATFULL

CN 2H-Indol-2-one, 3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-iodo- (CA INDEX NAME)



L7 ANSWER 15 OF 15 USPATFULL on STN

ACCESSION NUMBER: 2001:121498 USPATFULL
 TITLE: Benzylidene-1,3-dihydro-indol-2-one derivatives a receptor tyrosine kinase inhibitors, particularly of Raf kinases

INVENTOR(S): Dickerson, Scott Howard, Chapel Hill, NC, United States
 Harris, Philip Anthony, Raleigh, NC, United States
 Hunter, III, Robert Neil, Raleigh, NC, United States
 Jung, David Kendall, Durham, NC, United States
 Lackey, Karen Elizabeth, Hillsborough, NC, United States

McNut, Jr., Robert Walton, Durham, NC, United States
 Peel, Michael Robert, Chapel Hill, NC, United States
 Veal, James Marvin, Apex, NC, United States
 PATENT ASSIGNEE(S): Glaxo Wellcome Inc., Research Triangle Park, NC, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------------------|
| PATENT INFORMATION: | US 6268391 | B1 | 20010731 |
| | WO 9910325 | | 19990304 |
| APPLICATION INFO.: | US 2000-446586 | | 20000407 (9) |
| | WO 1998-EP4844 | | 19980804 |
| | | | 20000407 PCT 371 date |
| | | | 20000407 PCT 102(e) date |

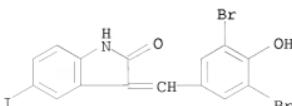
| | NUMBER | DATE |
|-----------------------|---------------------|----------|
| PRIORITY INFORMATION: | GB 1997-16557 | 19970806 |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | GRANTED | |
| PRIMARY EXAMINER: | Aulakh, C. S. | |
| LEGAL REPRESENTATIVE: | Lemanowicz, John L. | |
| NUMBER OF CLAIMS: | 26 | |
| EXEMPLARY CLAIM: | 1 | |
| LINE COUNT: | 3662 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds of general formula (I) wherein: R.sup.1 is H or optionally joined with R.sup.2 to form a fused ring selected from the group consisting of five to ten membered aryl, heteroaryl or heterocyclyl rings, R.sup.2 and R.sup.3 are independently H, Het, aryl, C.sub.1-12 aliphatic, CN, NO.sub.2, halogen, R.sup.10, --OR.sup.10, --SR.sup.10, --S(O)R.sup.10, --SO.sup.2 R.sup.10, --NR.sup.10 R.sup.11, --NR.sup.11 R.sup.12, --NR.sup.12 COR.sup.11, --NR.sup.12 CO.sub.2 R.sup.11, --NR.sup.12 CONR.sup.11 R.sup.12, --NO.sup.12 SO.sup.2 R.sup.11, --NR.sup.12 C(NR.sup.12)NHR.sup.11, --COR.sup.11, --CO.sub.2 R.sup.11, --CONR.sup.12 R.sup.11, --SO.sup.2 NR.sup.12 R.sup.11, --OCONR.sup.12 R.sup.11, C(NR.sup.12)NR.sup.12 R.sup.11, R.sup.6 and R.sup.7 are independently halogen, CN, NO.sub.2, --CONR.sup.10 R.sup.11, --SO.sup.2 NR.sup.10 R.sup.11, --NR.sup.10 R.sup.11, or --OR.sup.11, where R.sup.10 and R.sup.11 are as defined below; R.sup.8 is OH, NHCO.sup.2 R.sup.12 or NHCOOC.sup.3 ; and their use in therapy, especially in the treatment of disorders mediated by cRaf1 kinase.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 220904-83-6P
 (preparation of benzylidene-1,3-dihydroindol-2-ones as receptor tyrosine kinase inhibitors.)
RN 220904-83-6 USPATFULL
CN 2H-Indol-2-one, 3-[(3,5-dibromo-4-hydroxyphenyl)methylene]-1,3-dihydro-5-iodo- (CA INDEX NAME)



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